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The Students of Worcester Polytechnic Institute

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TECH NEWS

VOL. 22

WORCESTER, MASS., MAR. 24, 1931

NO. 19

ANNUAL TECH BANQUET TO SURPASS LAST YEAR'S SUCCESS— PRES. EARLE EMPHASIZES "PLAY THE GAME" IN CHAPEL TALK

S. R. HALL TO BE SCENE OF MUCH ACTIVITY ON WEDNESDAY EVENING

ROUSING GOOD TIME FOR ALL IS ASSURED IN PLANS FOR ANNUAL BANQUET

Banquet: To feast off the fat of the land amid jovial surroundings. This definition is not strictly "Webster," but it will do.

We eat to live, some live to eat, but regardless of your motto, you may increase the dimensions of your "bay-window" or hide your ribs at the "festive board" Wednesday evening.

Indeed, Wednesday evening will be a gala one for within the spacious dining hall of Sanford Riley will be assembled the greater portion of the student body as well as Faculty, not to mention speakers of note. To those more interested in the menu than the social part of the Tech Banquet, the menu is here reproduced. Of course, slight changes may be necessary; the milk man might be late or "Armour's" truck might have a flat tire, but nevertheless take up a notch and read:—Bouillon, better known as "Zoop," will be the opening selection accompanied by the strains of Caviar a la Boyntonese. "Pa" Clarke can't keep pace with the appetites of some hundreds so here we'll pause and give him a chance to gather his forces for the main course and Ralph Hodgkinson as toastmaster will call for a toast. Sorry fellows but Wickersham hasn't done much so it'll have to be "Aqua Puro."

Unable to gain entrance to the presence of "Pa" Clarke, I am at loss to know the nature of the bird or beast that is to make up the main course. Confidentially I think it will be goose. A flock went north not long ago and several reports were heard from the vicinity of S. R. and "Maxie" was seen sneaking a "double barrel," so draw your own conclusions. Quite naturally peanuts of the salted variety will be plentiful and so will olives, "stuffed" and plain. Granted they are likely missiles, but aim carefully for exams are on the wing. Well, those who live to eat I've told you why you should be among the hundreds, so with your pardon I will turn for a moment to the others.

Dr. Savage, a speaker of repute will give an entertaining talk using as a subject, "By Land or Sea." It is not known whether the reference is to "Paul Revere" or to the student body as engineers but you may be sure that it will be spicy and interesting coming from a man such as Dr. Savage.

President Earle will speak in his own inimitable way. He hasn't revealed his subject but when "Prexie" talks he says something. Hand in hand, go the talks by Professors Coombs and Taylor; the former speaking of "old

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DR. HARVEY DAVIS GIVES LECTURE

"The Engineer in Industry" was Subject of Talk

Dr. Harvey N. Davis, president of the Stevens Institute of Technology, and vice president of the American Society of Mechanical Engineers, spoke to a group of students and members of the faculty, Wednesday afternoon, March 18. The talk was given under the auspices of the combined engineering societies on the Hill.

"The Engineer in Industry" was made a very interesting subject when presented by Dr. Davis. He explained that his reason for being on a tour of New England was because the president of the American Society for Mechanical Engineers razed the vice presidents for not doing any work; being of those razed he asked for some duty to perform. This trip was the outcome.

According to Dr. Davis, engineering is spread over a wide field; you can find engineers everywhere, from the research laboratory to the sales force of

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CLUB LAUNCHES NEW PROGRAM

Greater Prestige is Goal of Aero Club in Increased Activity

For two years a small organization known as the Aeronautical Club of the Worcester Polytechnic Institute has been meeting on the Hill. It has progressed slowly yet steadily and is now preparing to step out into the open with a challenge to other organizations for leadership. The writer can see no reason why the Aero Club is not the leader.

A word as to the purpose of the club and membership. The organization is founded on the firm belief that all men on the Hill are interested in the youngest industry in the world and that the normal curiosity of these men will make them desire to know more about aeronautics. For this reason membership to the group is open to all students at Tech who are interested in any way or curious about airplanes or the air.

With facilities available in the Aeronautical Engineering rooms and laboratory to which members have free access, many interesting experiments can be

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PEDDLER SEEN AS 4-YEAR RECORD

Students Urged to Place Their Orders Immediately

Society in every stage of the world's progress has in some manner attempted to record national and local happenings so that generations coming after might be enriched by those preceding. Before the art of writing became universal, these records were handed down as legends by word of mouth. Man ever eager to advance, arranged a set of symbols which he laboriously carved into rock. These were buried with him and have been brought to life through exploration.

Not only have accounts of events told the story but works of art, great and small, from the cliff dwellers to the architecture of Greece and Rome tell us how our forebears lived and how far advanced was their civilization.

And so it is today, events are recorded almost as they happen. Many forms now exist but most valuable of all is the written account, illustrated where words are inadequate to tell the story. Newspapers exemplify the progress that has been made in order that mankind may be acquainted with the doings outside of his own realm. Newspapers are scanned then destroyed but the information is not destroyed with them but is carefully preserved and edited in volumes that will go down through the ages to tell coming generations of our exploits.

Students of Worcester Tech, we com-

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PRES. EARLE WANTS FAIR PLAY AGAINST ANY ODDS WHATEVER

STUDENT ESSAY CONTEST OPENS

Class of '70 to Award Prize of \$50.00 for Best Work

At the fiftieth reunion, the Class of 1879, as their anniversary gift to the Worcester Polytechnic Institute, endowed an annual prize of fifty dollars (\$50.00) to be awarded to the undergraduate of that college who prepares for publication the best essay on some engineering subject in an original, logical, and popular style.

RULES OF COMPETITION

The competition is open to all Institute undergraduates.

Length—Minimum, 2,000 words; maximum, 4,000 words.

Subject—Must be definitely in some field of engineering, may range from precise and technical details to broad theories and developments.

Treatment—Must be popular, that is, must be intelligible to readers outside engineering and scientific circles, and must appeal to normal average curiosity and interest. It must be suitable for publication in general magazines.

Character—(a) Must evidence a fairly precise and comprehensive knowledge of the subject. (b) Must not be

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MR. STEVENSON AT COSMO CLUB

Talk is Presented on English Fraternalities

A meeting of the W. P. I. Cosmopolitan Club was held a week from last Wednesday evening in the Y. M. C. A. rooms of Sanford Riley Hall. The group enjoyed a talk of unusual interest on "English Universities," by Mr. Reginald J. Stephenson of the Physics department of the Institute.

Mr. Stephenson is himself an Englishman and also a recipient of the degree of Bachelor of Science from the University of London in 1924. After concluding his course of study in England, Mr. Stephenson crossed the Atlantic and began lecturing in physics at the Memorial University College in Newfoundland. In 1929, he left Newfoundland and began teaching in the department of physics here at W. P. I. Mr. Stephenson, who also possesses a distinctive personality, has a delightful way of relating his experiences and was accorded a goodly round of applause at the conclusion of his talk, the gist of which is given below.

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CITES POEM ILLUSTRATING POINT—URGED SENDING SWIMMING TEAM TO N. E. I. A. MEET

Last Monday morning, March 16, 1931, President Earle gave another very interesting chapel talk. This is the second time this semester that the students have been favored with a talk by the president.

After giving a few words about some of those whose portraits hang around the walls of Sinclair Hall, a passage from the Bible was read. The topic for the morning was now in order. For a subject President Earle chose one that is based on a verse which hangs in the Gym of the new Boys' Club Building in Lincoln Square. The verse is called "Vital Lampada," meaning "They have given over the torches of life," or, "They have finished their course," and runs as follows:

"There's a breathless hush in the Close tonight—

Ten to make and the match to win—
A bumping pitch and a blinding light,
An hour to play and the last man in.
And it's not for the sake of a ribboned coat,

Or the selfish hope of a season's fame,
But his Captain's hand on his shoulder smote
Play up! play up! and play the game!

"The sand of the desert is sodden red,—
Red with the wreck of a square that broke;—

The Gatling's jammed and the Colonel dead,
And the regiment blind with dust and smoke.

The river of death has brimmed his banks,
And England's far, and Honour a name,

But the voice of a schoolboy rallies the ranks:
Play up! play up! and play the game!

"This is the word that year by year,
While in her place the School is set,
Every one of her sons must hear,
And none that hears it dare forget.

This, they all with a joyful mind
Bear through life like a torch in flame,
And falling fling to the host behind—
Play up! play up! and play the game!"

With this in mind the President goes on, "And so though all seems lost to you in the classroom or on the athletic field, brace up, remember that the Captain's hand taps on your shoulder, and play the game."

"One of my first recollections of the Navy takes me back to a time before

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March 24, 1931

CHAPEL ATTENDANCE

Many colleges throughout the country have compulsory chapel exercises but here at Tech the chapel services are attended only by those who desire to do so. The sad part about allowing this freedom is the fact that altogether too few students take advantage of this opportunity.

Chapel services are believed by many of the students to be merely a religious exercise. This is not usually the case, however, for the speaker usually combines the religious text with some problem or phase of life that pertains either to the student body or to some part of the engineering profession. The recent address by Dr. Atwood was of extreme interest and those present were disappointed only when his talk was concluded.

Some very interesting and influential speakers are obtained for these short addresses. If these men, whose time is quite valuable, are willing to give up the better part of the morning to come up on the Hill to address the students, it seems our courteous obligation to attend their exercises. Once a student starts attending these exercises he usually finds them valuable enough to continue and soon becomes a regular attendant; but it seems that too few students get into this habit.

Let's take advantage of this splendid opportunity to hear these interesting speakers and in the future let's have an attendance at Chapel that will conclusively show each speaker that we realize his sacrifice in coming here to address us. This will make it worth while for both the speakers and the students.

BULLETIN BOARDS

The proper use of the bulletin boards in the various institute buildings, notably the Mechanical Engineering Building and Boynton Hall, seems of late to have become a lost art insofar as the students are concerned. Notices are being tacked up hit or miss and no one regards anyone else's rights. If there happens to be a notice in an advantageous position, a second party should respect the rights of the first party sufficiently to leave it there and not move it to some inconspicuous location or cover it up, either wholly or partially. The promoters of a forthcoming function on the Hill have been the most flagrant offenders in this respect during the past three weeks. Inasmuch as the enterprise is being conducted solely for the personal profit of a few individuals, the school receiving no part of the gains, it is felt to be unfair of them to monopolize the bulletin board space to the distinct advantage of all other notices and particularly to the detriment of an established Hill function, the Junior Prom.

While it may be a little out place in an editorial on the proper use of the bulletin boards, nevertheless it seems that some mention should be made regarding the use of another medium of free advertising of private projects, namely the school assemblies. It is not generally considered irregular for a student to make an appeal to the student body on behalf of some affair not connected with the Institute, nevertheless, it is looked upon as a highly objectionable proceeding for a faculty member to address the assembled school in support of such a function as was done on the occasion of the last assembly. Undoubtedly the breach was unintentional and will not again occur.

To return again to the subject of bulletin boards, there has always been, except for infrequent monopolies of space, ample room for all notices if they are kept up to date. The person who puts up a notice or poster should see that it is taken down at the earliest possible date for no one enjoys reading Ancient History on the bulletin board. Important notices are overlooked if placed amid a jumble of others which have survived their purpose. No one cares to see something advertised that is all over and so is apt to become tired of reading the same advertisements over and over and not take time to pick out the new ones.

There has recently been a reappearance of that ancient and not too honorable custom of "razzing" the notices on the bulletin boards. "Razzing" is an art all by itself, but the public bulletin boards are certainly not the place for practicing this art. But every few months some bright person thinks it a good idea to add a little to some notice posted. This starts a regular epidemic, and soon there is not a notice left that is worded as its original author intended it should be. Some people are witty, we'll admit, but, as a rule, the additions made are usually only a joke on the person making them. Whether the wit is good or bad, the bulletin boards are certainly not the place for it. If anyone has any bright ideas, let him either confine them to himself or else write them up in fit form for the NEWS. Back in '22, a column headed "Rathole Ravings," was instituted for this sole purpose. No doubt it could be revived on demand. Due to the brilliant display of talent and wit with which the altered notices now regale all visitors to the Institute, the seniors need have no fear of not being signed up by the representatives of the various companies when they pay their annual visit to the Hill during the coming weeks before graduation. How could they resist the temptation to secure as many men as possible from an institution so obviously the cradle of wit and talent! Be sensible, fellows. Don't create a poor opinion of Tech in the minds of visitors.

Let's keep the bulletin boards orderly and the notices worded as originally intended.

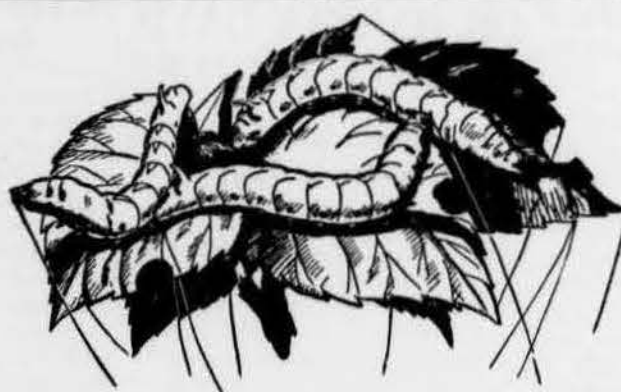
W. MANVEL HEADS
"TECH BIBLE" STAFF

New Staff for Annual Handbook Is Appointed

Announcement is made of the appointment of Wright Manvel as editor-in-chief of next year's handbook, or more familiar, the "Tech Bible."

The "Bible" will be placed particularly in the hands of the incoming class next September. It constitutes a handy college encyclopedia for all Tech men throughout the year, but is of greatest value to new men. In its folds Freshmen find pertinent information on campus customs, college activities, clubs, and who's who at W. P. I.

Manvel served as editor-in-chief last year. Walter Kowal and Walter Sura, both of the class of '34, have been appointed to assist as associate business managers of the handbook. Both of these men are members of the reporter staff of the TECH NEWS.

One step in telephone making
starts in a mulberry bush

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ORDER A PEDDLER NOW

SPORTS

SPRING SPORTS STARTED

SPORTS

TRACK TEAM HAS MANY VETERANS

Prospects for the Coming Season Appear Bright

With the call for baseball out one is reminded of another varsity sport which comes in the spring. That is track.

Although several stars of last year's team are gone, Coach Johnson has a vast amount of veteran material around which to build a squad. Then, too, there is a Freshman class which should produce at least a few point getters.

To take the place of Eddie Milde there is Jensen, winner of the 40-yard dash at the N. E. I. at Amherst; Egan, the winner at Brown, and Sullivan, who along with Woodward should make a strong bid for the sprint honors.

In the most gruelling race of all, the 440-yard dash, the name of Jensen again comes to mind along with Nyquist and Duchacek. The half-mile run will probably show entries consisting of Nyquist, Duchacek and Buell.

Probably the greater number of candidates will be in the distances. No doubt all the members of the cross country squad will report for tryouts in the mile and two miles. Among these will be Phil Pierce, undefeated in cross country, and captain of the team. Other familiar faces will probably be Buell, Smith, Mace, veterans, and Kelley, Greenwood and Rothsnich, freshmen, and members of last fall's undefeated cross country team.

For strong men to play with the shot and hammer, the coach will find Red Underhill, football captain, Holt, Werme, Holcombe, captain of the swimming team, Taylor, Ted Perry, a newcomer of no small size, and Kalista, a freshman.

The remaining field events will find Werme and Sodano in the javelin throw, while Tillan and Underhill will attempt to heave the discus out of Alumni Field.

With the graduation of Walter French, Tech lost another stellar performer who was responsible for many points in the timber topping job. However, his understudy, Lyman, is still here and the indoor season produced a recruit in Whitcomb of whom great things are expected. Another Freshman of promise is Bellamy. Supplemented by Palaski, these three candidates will fight for the high jump honor.

The remaining event is the broad jump. Logan, a freshman, and Lyman seem to be the outstanding men and they will no doubt be hard pressed by Sullivan, Whitcomb and Bellamy.

In fact, with a nucleus of such size, this season should be one of Tech's most successful ones.

Training will start on March 23 in order to give all candidates a chance to limber up before going outdoors. The first meet will be held probably on April 16 and 17 when the fraternities meet each other. Although primarily for fraternities, it serves a second purpose. That is, to give the coach a chance to uncover untried material. Some of these "discoveries" would probably spend four years at Tech and never think themselves sufficiently good enough to try making the varsity squad.

After the interfraternity meet in April the squad will train hard for the first meet of the year with Tufts on April 25th. This year's competition, with the exception of the New England Intercollegiates, will all be on Alumni Field.

The schedule.
April 25—Tufts, here.

T. X. CLINCHES BOWLING LEAD

Interfraternity Championship Is Practically Assured

On Friday, March 13th, Theta Chi started off the fifth round of the Interfraternity bowling matches with high hopes of retaining her position at the top of the list. She realized her hopes and won the match, defeating Sigma Omega Psi 4 to 0.

The match between Lambda Chi Alpha and Sigma Alpha Epsilon held on Monday, March 16th, cast a tremendous importance over the future chances of winning. If L. X. A. had won, it would have placed her just one point behind T. X., who is in first place and the battle for top place would have waged on. L. X. A. only scored one point during the match by winning one string. The total pinfall was S. A. E. 1077 and L. X. A. 1041. S. A. E. added three more points to her score. The highest single string of the day was bowled by Tarbox of S. A. E.

Phi Sigma Kappa met Theta Upsilon Omega on Tuesday, March 17th. P. S. K. won one point and T. U. D. collected the other three points, the total pinfall being T. U. O. 1020 and P. S. K. 971. Chaffee rolled the highest string, 101, for P. S. K., but they were not able to stand the rolling of T. U. O.

The last game of the fifth round was played Wednesday, March 18th, when Alpha Tau Omega defeated Phi Gamma Delta with an easy victory, the score being 4 to 0. A. T. O.'s pinfall was 1052 and that of P. G. D. was 940. Smith and Peterson of A. T. O. rolled the highest, both running up a score of 96 points.

At the end of the fifth round, there's a possibility of twenty points. The standings of the fraternities to Wednesday, March 18th, were as follows:

	Points Won	Lost
T. X.	17	3
L. X. A.	13	7
A. T. O.	12	8
S. A. E.	11	9
T. U. O.	10	10
S. O. P.	6	14
P. S. K.	6	14
P. G. D.	5	15

Thursday, March 19th saw the beginning of the sixth round of the interfraternity bowling matches. Sigma Alpha Epsilon easily defeated Sigma Omega Psi with a score as follows: S. A. E. 4 and S. O. P. 0. The total pinfall was S. A. E. 1031 and S. O. P. 958. Silverwatch of S. O. P. rolled a single string of 100 but they weren't able to catch up with S. A. E.

On Friday, March 20th, Theta Chi rose to championship heights and blasted its leading contender, Lambda Chi Alpha, further in the rear by taking three of the four points. The pinfall of 1101 for Theta Chi seemed to be the best for a team total this season. Lambda Chi rolled a creditable 1090, but could only take the last string, aided by a 114 by Pierce. Leach rolled 101 for next highest. The match seems to clinch the bowling title, since Theta Chi needs but one more point to insure first place.

May 2—Amherst, here; interscholastics, here.

May 9—M. A. C., here.

May 16—Eastern Intercollegiates, here.

May 22 and 23—New England Intercollegiates, Bates College, Lewiston, Me.

BANQUET

(Continued from Page 1, Col. 1)
times" and the latter of "Alumni," two very interesting subjects. We are yet

DISCUSSIONS HAVE STARTED

Mr. Schweiger and Mr. Schiefly Were First Speakers

The first of the fraternity discussion groups which are held each year by the different houses were held Tuesday evening, March 17, by Phi Gamma Delta and Theta Chi. Mr. Albert Schweiger of the Economics and Government Department addressed Theta Chi on the present day "Economics and Unemployment." The present situation was compared to the depressions of 1907 and 1921. Many questions were asked on the unemployment problems and also on the question of equalized wealth. Government solutions of this great unemployment problem were discussed.

Mr. C. K. Schiefly headed a discussion at Phi Gamma Delta on "Science and Philosophy in the Pursuit of Happiness." The meeting at Alpha Tau Omega was postponed until March 24. Then, Mr. Stephen Callender, assistant pastor of the Wesley Methodist Church, will speak on "Problems of Student Life." These discussions will be resumed again after the spring recess.

in the bloom of youth but how often do we find ourselves talking of "old times" and very often those "old times" are of schools from which we graduated and are now alumni.

There are many incidents that are always kept from the public but one "leaked" out and fortunately it was my lot to be in on it. There is going to be a "skit" between the dinner and dessert and it seems "C. K." has a hand in it. "Nuff sed," catch on?

The toastmaster at a banquet is the "all powerful," so to speak and if he feels "kittenish" or perhaps holds a grudge against you he may call on you to say a few words. With this and in view a few pointers might be of value. If Ralph rises and introduces you to the assembly don't be "flustered," simply light a Murad or Chesterfield, slowly rise to your feet, stick out your chest, look about the hall, flick the ashes from your cigarette, clear your throat and begin as follows: "Unaccustomed as I am to public speaking I will endeavor to prove that 'the moth is not a social butterfly.'" If "Prof." Coombs glares at you it would be better to start off briskly with—Ladies and that which came with you, it gives me great pleasure to speak to you this evening etc., etc. It's simple enough, just don't forget to size up the situation while getting up from your chair.

Undoubtedly you wonder how such a program is possible on seventy-five cents "per." The secret is that the book store meets the deficiency and that is considerable. Yes, seventy-five cents is the price of the tickets and they're going fast, so if you haven't already procured one, do so at once or you'll be "All Alone by the Telephone" trying to make that nickel get you a "dinner date."

Put on your "Sunday Best" and let yours be one of the many "smiling faces" grouped around the "festive-board" at six-thirty in Sanford Riley Hall on the evening of Wednesday, March twenty-fifth. On to the Tech Banquet!

ESSAY CONTEST

(Continued from Page 1, Col. 4)
copied or abstracted in whole or in part from any source. (c) Must contribute at least a small proportion of writer's original thought, analysis, and study. (d) Must conform in composition to the rules of good English, grammatically and rhetorically, be

E. E. BOWLERS DEFEAT JUNIORS

Senior Bowling Team Wins 3-1; Will Accept Challenges

Saturday morning, in an exciting bowling match, the Senior E. E.'s came through to win the last two strings and the match from the Junior E. E.'s. The seniors didn't get into form until the second string when enthusiasm was wrought with the aid of lusty cheering from the senior cheering squad led by "Bill" Graham and "Bucky" Carlstrom. The seniors feel they are in fine shape to take on all comers and will accept challenges from any organization, class, or department sponsoring a bowling team. All interested will please see manager "Fat" Lorenze or Capt. "Phil" Pierce.

logical in arrangement, with appropriate title, suitable sub-headings and forceful conclusion

Form—It must be typewritten on paper seven and three-quarters by ten and one-half inches, on one side only, double spaced, with margins one and one-half inches at left, one inch at right, and one inch at bottom

All essays must be handed in before twelve o'clock noon, Saturday, April 25, 1931, at the office of Professor Z. W. Coombs, Head of Department of English, Boynton Hall.

PRESIDENT RALPH EARLE,
PROFESSOR Z. W. COOMBS,
PROFESSOR J. W. HOWE,
Committee.

COSMOPOLITAN CLUB

(Continued from Page 1, Col. 4)
Although schools of college grade are plentiful in England, there are only two which award degrees, which are Oxford and Cambridge.

London University which is the only other institution in England granting degrees is not really a college. Instead, it gives examinations to graduates of the various schools upon the successful completion of which a degree is awarded.

The method of teaching in English universities differs widely from that in the United States. There are no classes and all work is carried on entirely by lecture, attendance at which is in no way compulsory, there being no limit to "cuts." No daily assignments for home study are made as in the United States' colleges but all studying is done during the vacations. The school year is comprised of three semesters lasting ten weeks each. Consequently their vacations are longer. The Christmas vacation extends over five weeks; Easter six weeks; and two months, of summer vacation.

There are no fraternities in English universities, but by paying an average fee of fifteen dollars a student is entitled to all athletic and social privileges. Contrary to the custom at American colleges, sport activities which take place before enormous audiences, athletic events of English schools draw small crowds even though no admission is charged.

After the conclusion of Mr. Stephen's talk, a discussion was held by the members concerning a joint get-together

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FIRST BASEBALL PRACTICE HELD

Promising Number of Candidates Report for Practice

At the first baseball session held on last Tuesday, a promising number of candidates for Tech's representation on the diamond appeared. In fact, "Pete" has twelve pitchers and four catchers to look over in addition to a few who have signified their intentions of reporting in a week or so.

It would seem on first glance that with this material a good season should be expected on the Hill and Coach Bigler has expressed that opinion although adding that it was too early to predict any definite idea.

Among those reporting were Anderson and Lanciault, veteran pitcher and catcher. Other aspirants to the twirling post were Barnes, Conway, Bell, Mullen, B. Anderson, Barlow, Kozioe, Heppanen, Slossen, Hunter, and Gewinner, who are mostly from the Freshman class.

For the receiving end of the battery, Gleason, Margo and Crowley were out to try conclusions with Lanciault. Johnny Malloy, the flashy end of the football team will no doubt soon make his appearance as understudy to Lanciault and also try to displace the veteran.

Although the only men called out were the battery men, a few of last year's team showed up for a little preliminary workout. This group was composed of Irv. Gatrell, Putnam, Schotz, Driscoll and Hanson.

When all has been decided and the team picked for the first game on April 23rd with Norwich on Alumni Field, there will probably be a number of new faces wearing the Crimson and Grey.

The schedule for this year is:
April 23 Norwich—here.
April 25 Northeastern—here.
April 29 Trinity—Hartford, Conn.
May 2 R. I. State—Kingston, R. I.
May 7 M. A. C.—here.
May 9 Clark—at Clark.
May 13 Wesleyan—at Middletown, Conn.
May 16 N. H. State, Durham, N. H.
May 18 Boston U.—here.
May 20 Amherst—here.
May 23 Clark—here.

with the Cosmopolitan Clubs of Holy Cross College and Clark University. The meeting last Wednesday was well attended.

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Worcester's Best
Restaurant
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Tech Barber Shop
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The Fancy Barber Shop
89 Main St. Directly over Station A
GOOD CUTTING
NO LONG WAITS
SIX BARBERS

DAVIS TALKS

Continued from Page 1, Col. 2)

any concern. Those in the research laboratory have stuck to the technical side of engineering and may be properly called technicians. These technicians constitute a large body of very important people but they are often a very queer bunch. The other is the professional side of engineering, the essence of which is the executive function. The professional engineer starts out technical enough but soon the executive function crowds out the technical end. We hear a lot about engineering graduates who have changed their professions but if these cases were looked into one would find that most of these had gone to the top of professional engineering. A large per cent of the executive jobs are held by engineers.

Dr. Davis handed out four pellets of advice, as follows: self expression, intellectual background, serious reading, and thinking in social terms, and spoke about them in detail from every angle. In the first case it is absolutely essential that an engineer be able to express himself forcibly if he is to follow the professional side. Also in order to fill an executive position, an engineer must know more than his stuff, he must know the other fellow's stuff. He must be able to talk and write about something else besides engineering if he is to be a leader. Again, everyone, especially the professional engineer, should do at least four hours of serious reading or say, one long evening spent reading a book or articles on some worth while subject such as economics, psychology, foreign relations, or other subjects along this line. Most people are apt to think in terms of dividends only but if one is to be a success he must think of the welfare of the other fellow once in a while even if it does cause a slight loosening of the bank roll.

One interesting fact about the intellect of the engineer, especially along the line of general knowledge, was brought out in the results of an intelligence test taken by the seniors in the colleges of Pennsylvania. The board wanted to give the engineering students a handicap on the answers to the questions pertaining to cultural subjects but, when the examinations came in, they found that the engineers needed no handicap, at least as far as culture was concerned. The engineers ranked at the top of the list, followed, quite a ways in the rear, by the liberal arts students. Those who were already to go out to teach in the schools of the country were at the bottom of the list.

All in all, the engineers aren't such a bad bunch. There are a few failures amongst us, but no more than in any other group. There is no doubt that in twenty years most of the fellows now on the Hill will be leaders in industry, especially those who follow the professional side of engineering.

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WORCESTER, MASS.

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Place Furnishings

L. X. A. LEADS IN SCHOLARSHIP

Fraternity Average is Below the College

The weighted averages for the first term, as given out by the office, show that the fraternity standing is still just below the college average, with Lambda Chi Alpha and Theta Chi, however, above it. The college average being about seventy percent, it is quite evident that the majority of students are receiving monthly "marks." The averages are as follows:

Alpha Tau Omega	68.82%
Lambda Chi Alpha	71.39%
Phi Gamma Delta	68.83%
Phi Sigma Kappa	70.29%
Sigma Alpha Epsilon	69.55%
Theta Chi	70.97%
Theta Upsilon Omega	70.46%
All Fraternity	70.08%
All Non-Fraternity	70.96%
College	70.64%

CHAPEL TALK

(Continued from Page 1, Col. 5)

I wore the uniform and to a scene off an island in the South Sea, Samoa. There, 17° south and 2263 miles from Honolulu, is a group of hilly islands kept green by the heavy rainfall, now governed by an Annapolis classmate of mine. Formerly ships of many navies lay to uphold various interests of states-

men. On March 15, 1889, the peaceful quiet sea becomes wild and unconquerable due to an extraordinary severe hurricane. One by one the ships are tossed upon reefs, wrecked. Men are ordered to the rigging for sails but can not stand because of the extraordinary velocity of the wind. The flagship 'Trenton' is trying to keep up steam but the fires are finally put out by the water seeping in through her gun deck. There is no sign of despair, everywhere all are playing the game.

"The British Sloop 'Calliope' succeeds in slipping her anchor and step by step steams by. The 'Trenton' men, feeling themselves at death's door, give three cheers to those on the sloop and even try to get the band to play the British national air.

"The 'Trenton' itself, however is sweeping on and crashes the 'Vandalia.' Out of the wreckage comes the strain of the 'Star Spangled Banner' being played by old Trenton's band before its members take to sea in an attempt to reach shore.

"There was a spirit we might well emulate in all our activities, to keep up and do our best. I feel that you must play the game no matter what odds may be against you at any time.

"I want to speak of a matter recently occurring at the Institute. It was suggested to me, before the team went to Wesleyan to participate in the Inter-collegiate Swimming Meet, that we withdraw our team unless all our men were allowed to participate. I re-

gretted the suggestion because it is not the spirit I want to see on the Hill. If you wonder why we did not withdraw from the meet, I want you to know that I preferred to see the team take part no matter whether the odds were against us or not, so long as the game was played according to the rules, even if they didn't seem quite fair.

"Think it over and remember, whether you are at college or out in business, there is always something in playing the game. If you stick to it, you will feel, in the critical moment, the Captain's hand tap on your shoulder and his words to you will be, 'Play up! play up! play the game!'"

NOTES

President Ralph Earle was the speaker at the Lincoln Square Baptist Church upon the observance of Washington's Birthday, Sunday evening, Feb. 22. He gave an interesting talk on "Disarmament," a subject which he knows exceedingly well and on which he can speak very convincingly.

Mrs. William W. Brown has recently presented President Earle with a portrait of her late husband as a gift to the Institute. This portrait is to be hung in the Faculty Room where all may have the opportunity to see the kindly face of one of the Institute's benefactors. William W. Brown was the donor of the scholarship which bears his name.

President and Mrs. Ralph Earle entertained Rear Admiral and Mrs. Louis M. Nulton as their house guests during their stay in Worcester recently. Admiral Nulton was engaged as one of the speakers at the Army-Navy dinner through Admiral Earle who is chairman of the speakers' committee.

President Earle was recently appointed the Worcester representative of the Massachusetts commission for the celebration of the 200th anniversary of the birth of George Washington, to be held in 1932.

Prof. Charles M. Allen was introduced at the weekly meeting of the Rotary Club by President Earle as the "second active member representing the Worcester Polytechnic Institute," and was given a hearty welcome by the other members.

NOTICE

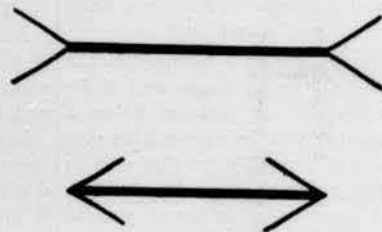
The TECH NEWS will run a "Lost and Found" column for the benefit of the students of the Institute. Anyone wishing to have a notice in this column may place a notice in the TECH NEWS box on the bulletin board in Boynton Hall.

LOST: A slide-rule with the name on the case.

William F. Drake.

LOST: A brown leather purse containing five dollars, driver's license, and papers. Reward.

Dexter Gleason.



?

Which is the longer of these two horizontal lines? If you know the answer—try it on someone else.

YOUR EYES MAY FOOL YOU
BUT
YOUR TASTE tells the Truth!

MILDER... AND
BETTER TASTEThey
Satisfy

PEDDLER

(Continued from Page 1, Col. 3)

prise a distinct branch of society and each day there is news on the campus that is of vital interest to us and will be to those who come after us. The TECH NEWS is our chronicle and gives each week the highlights of activity on the campus, both social and routine.

Each edition of the NEWS meets with the fate of the daily newspaper and in order that valuable records may not be denied you in later years and the records of outgoing classes may not perish, a lasting record is published each year, covering all important events and the works of the several classes.

The "Peddler," Tech's yearbook, was so named in honor of John Boynton, who was a founder of the Institute. It is rightly named for it "peddles" wares that only an instrument of Tech can "peddle." Don't close the door in its face for it has merchandise that is of value to you now and as the years roll by will be priceless. I recall a foreword from a college yearbook I was reading not long ago that gives in a few simple words a message that all should heed,—"When you're cast alone on life's troubled sea, may this volume, like smoke on a distant horizon, give you new hope."

To describe the merits of the 1931 "Peddler" would be impossible even though sufficient space were available, for it is indeed a volume beyond praise. Many new features have been incorporated in order that the reader might find not only a record of events but amusement as well.

Four years seems an eternity when a Freshman but it speeds away far too quickly and so does life. The brain is capable of recalling scenes and happenings but on the other hand life in its new phase will require new trains of thought and all too soon precious scenes and events are dimmed in the maze of new experiences. It seems, perhaps, trivial these four years but when day is done and life is at its ebb one naturally turns back the pages to the days of youth. It is then that this volume, the record of happy days will be priceless.

Whether you realize it or not, these are your happiest days, someone else paying the bills, someone else doing the worrying, but after graduation, another life, another story. So it is, I ask you to think of the future and ask yourself this question, "What does the 'Peddler' mean to me? Your answer should be, "A great deal."

A fairly thorough canvass has been made and it is gratifying to note how many desire to purchase the 1931 edition of the "Peddler." A yearbook is not a periodical that can be purchased at will for a certain number, governed by the advance orders, are contracted for and to print more at a later date is an expensive operation. With this fact in mind do not neglect to place your order before the tenth of April, if you have not already done so.

The editorial staff has been assembling material since the gates were thrown open in September. Much of the material has already gone to press, but there remains the odds and ends that must be cleaned up before the final "proof." In order that the book may be complete within contract limits, all those who have copy to turn in are urged to do so before April tenth. This is more than an urge, it's a command. All copy must be in before April 10th.

The men responsible for the 1931 "Peddler" are: Editor-in-chief, Henry E. Hosmer; associate editor, Malcolm Alber; business manager, Carl Sage; art editor, Carl Rhineland; advertising manager, Charles Kennedy; photographic editors, Ralph Duchacek, Miner Wells. Junior editors, Lenges Bull, Donald Smith, Sydney Thune, Howard Offers, Elliot Jones, Wells Bausman, and Howard Finn.

WORCESTER TECH HAS PUBLICITY

Sketch of Tech is on Menus of N. Y., N. H. & H. R. R.

In past months it has been the custom of the N. Y., N. H. & H. railroad to print on its menus a sketch of some New England college and also a photograph of a part of its campus. Yale and Harvard were the first to appear and on March 16th Worcester Tech began to receive publicity for a period of four weeks. On the face of the menu is a large picture of Boynton Hall and on the back page is a sketch of the Institute, prepared by Professor C. J. Adams. The sketch is as follows:

"In the middle years of the nineteenth century, when technical education in America was still in its infancy, the Worcester Polytechnic Institute had its origin in the visions of two men intimately connected with the industrial development of New England. One was John Boynton, manufacturer and vender of tinware, whose peddlers' carts were once familiar sights on country highways; the other, Ichabod Washburn, a founder of the Washburn and Moen Company, forerunner of the great Worcester plant of the American Steel and Wire Company. Without the advantages of more than rudimentary education, each of these men had struggled up from obscurest poverty to a position of wealth and power; and each, unknown to the other, had dreamed for years of mitigating the struggle for future generations by endowing an institution for the higher education of youth along lines then startling and untried.

"Through the tactful efforts of the Reverend Seth Sweetzer, a Worcester clergyman, their plans were molded into a harmonious scheme of education, the fundamental characteristic of which was a revolutionary combination of the theoretical and practical elements in engineering training. Side by side with Boynton Hall the earliest building on the campus, arose the Washburn Shops, the first structure of its kind established by any college in America and operated on a commercial basis as an adjunct to the training of engineering students.

"Time has set its seal upon the soundness of the principle thus embodied; it has since been extensively adopted by younger sister institutions, and its success established by the substantial achievements of the Institute's graduates in all fields of engineering and industry.

"Many of its alumni have won conspicuous note, like Harry P. Davis, 'Father of Radio Broadcasting'; Henry J. Fuller, president of Rolls-Royce of America, and controlling genius of many other great activities; Harrison O. Eddy, internationally known sanitary engineer; Alfred D. Flinn, director of the Engineering Foundation; A. Atwater Kent, radio manufacturer; and Professor Robert H. Goddard, whose experimental work with rockets is attracting world-wide attention. Yet the peculiar contribution which the college has made to American life and prosperity is in the long list of presidents and other administrative officers, general managers, chief and designing engineers in the service of the nation's giant industries, scarcely one of which but acknowledges indebtedness to her graduates.

"The Institute is situated in a pleasant residential section of Worcester—a district almost suburban in character, yet conveniently near to the heart of this great industrial city. A beautiful campus of thirty-six acres affords abundant room for the many buildings of the college, and an extensive and thoroughly modern athletic field; while at Chaffinsville, six miles to the north, in a wooded area of over one hundred acres, is located the Alden Hydraulic Laboratories, one of the Institute's most distinctive features.

CAMERA CLUB HOLDS MEETING

Prof. F. W. Roys is Main Speaker of the Evening

The regular bi-monthly meeting of the Camera Club was held last Friday in the M. E. Library, Vice-President T. L. Fish, presiding. The speaker of the evening was Prof. F. W. Roys of the M. E. Department, who spoke on Photomicrography. Prof. Roys' talk was followed by a short but equally interesting talk by the Telegram-Gazette staff photographer, who had dropped in for a visit.

Prof. Roys explained the methods used in taking photographs of objects visible only under the microscope. The instrument used in such work is extremely delicate and presents many difficulties to the photographer. Prof. Roys had to make many such photographs for his recently published text book on materials of Engineering Construction.

The lenses for such work come in sizes that vary from about one inch in diameter to a size no larger than the head of a pin. They must be made with extreme care for even the slightest flaw will cause the image to be so absolutely out of proportion as to make the photograph useless. Magnification may be as high as a thousand diameters. In such a case focus can be obtained only with great care and even a slight change in temperature will throw the apparatus out of focus and ruin a picture.

Another ingenious device was developed for throwing concentrated light on the object, for in magnification, this light was greatly diffused and often appeared dark in spite of the extreme light. The apparatus is set on a table equipped with shock absorbing springs so that any accidental jar may not throw everything out of focus.

Prof. Roys continued with an explanation of new developments in this line of photography and spoke of the aid he received from Dr. F. F. Lucas connected with the Bell Telephone Company, who presented Dr. Roys with several interesting microphotographs for use in his book.

Dr. Roys presented his talk with the least amount of technical explanation, in a manner that was easily understood by the large number of amateur photographers present. At the close of Prof. Roys' speech, Vice-President Fish called upon the Telegram-Gazette staff photographer for a few words. Mr. Savage has been very friendly with former members of the Camera Club and mentioned that he felt perfectly at home with the present group. He spoke of several interesting experiences in his work of gathering photographs for his paper.

Prof. C. F. Adams announced that in the near future the Club will hold one of its regular meetings in the form of a trip to the studio of Mr. Arthur Rice, a well known Worcester photographer who has invited the Club to look over his collection of photographic art. Announcement of further meetings will be made as usual.

"But more important than physical equipment and location are the high standards of the college and the quality of instruction. The faculty is composed of eminent teachers, between whom, and a small, but carefully selected student body, the most intimate relations are constantly maintained.

"While the Worcester Polytechnic Institute is primarily a technical college, fitting for professional work, a strong cultural background is provided through ample humanitarian studies, which, together with a wide variety of extra-curricular activities, equip the student for a well-balanced and successful life."

AERO CLUB

(Continued from Page 1, Col. 2)

performed. All are instructed in the use of the wind tunnel and other equipment.

Although primarily educational it is a social group where formalities may be cast aside and all may join in fun. For this purpose the idea of obtaining a glider for the use of members is being considered. With spring on its way what could be better than to spend the afternoon flying in the air. Don't say that you don't know how to fly? Come out and learn.

As was mentioned before—the membership is open to anyone on the Campus. Don't think for one minute that you have to be a student who is going to take the Aeronautical Engineering course. There are Civils, Shems, and Mechanics who belong.

Possibly a word about the officers and advisors would be in order. The advisor is Prof. K. G. Merriam and he is seconded by Mr. D. R. Simonds. These men are vitally interested in the type of work that the Club desires doing and are very helpful by their guidance and understanding. This year's president is James Rafter. He is assisted by Vice President Paul

Guernsey and treasurer, John S. Maloney. In May the election of officers for next semester will be held.

No definite program of meetings has been drawn up. But on April 8th the Wednesday evening following our return to school an important meeting will be held. At this time the constitution will be voted on and the speakers will have real live topics to present. The speakers will be Mr. D. R. Simonds, advisor, James Rafter, president, and H. C. Ashley, '33.

Last but not least, the club will soon take a trip to an airplane factory, probably the Chance-Vought Works at East Hartford, Conn., where a great number of Uncle Sam's "Eyes of the Navy" are built. Another trip is planned to the Boston Airport. Who could ask for more?

This is an invitation to attend the next Aero Club meeting, Wednesday, April 8th. Ask your friend or roommate to come too.

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Hotel Bancroft
Tel. 2-2821

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Trace the evolution of the bolt since 1913 and you trace the amazing post war advance of power and industrial processes . . . and the Crane contribution to help make it possible.

In carefree days "before the war," a steel bolt was a steel bolt. It was made of any easily obtained steel that forged easily and took threads well. Industry moved forward . . . stronger bolts were asked for. Ordinary steels were improved to tensile strength of 45,000 pounds. Not enough. A bolt with forged-on head and tensile strength of 50,000 pounds was developed. Still not enough. Cold rolled steel bolts with tensile strength of 80,000 pounds were offered. They had a tendency to snap.

To fully meet the demands of modern high pressure and temperature technology, Crane Co. brought out for its cast and forged steel materials their Triplex steel stud bolts, of chrome nickel steel with tensile strength of 125,000 pounds. The limit is not yet. Even now, Crane Co. can supply bolts for valve bonnets and flanges with tensile strength of 140,000 pounds and retaining strength at well past 1000° F.

By exhaustive laboratory investigations, long carefully charted creep tests, detailed study of service conditions, Crane metallurgists have helped this development. With the same scientific methods they have as strikingly improved bodies, bonnets, discs and seats, stems, packing boxes . . . so that Crane valves and fittings can be supplied for higher pressures and temperatures than have yet been commercially projected.

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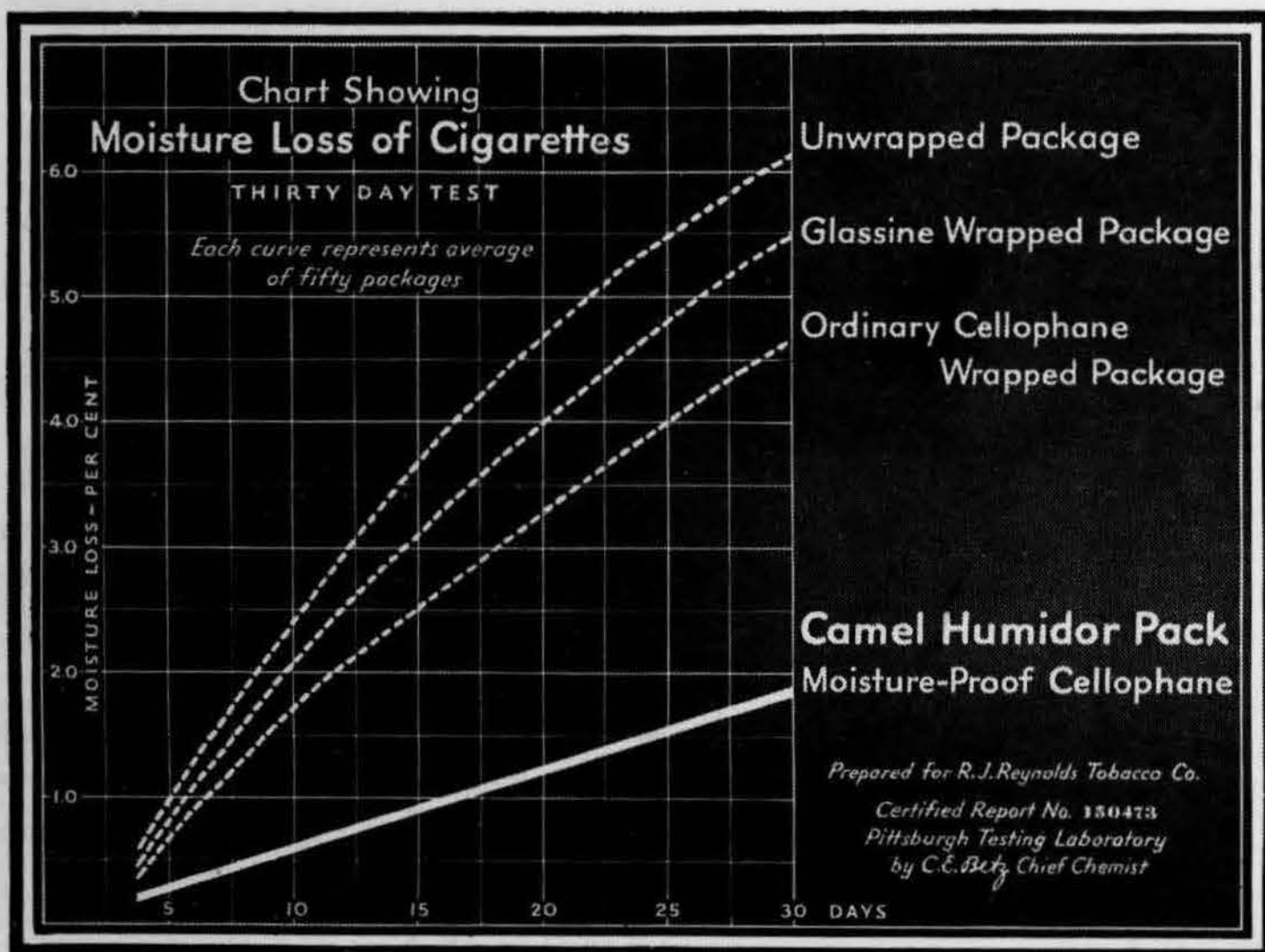
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Smoke a FRESH Cigarette!

Cigarettes in prime condition have a moisture content of about 10%. It will be seen by the Pittsburgh Testing Laboratory Chart that cigarettes in the ordinary wrapped package lose more than half of their total moisture in thirty days and that only the Camel Humidor Pack delivers cigarettes to you in prime condition.



THE whole country is talking about the throat-easy mildness and the prime freshness of Camel Cigarettes in the new Humidor Pack.

The above chart prepared by the Pittsburgh Testing Laboratory tells you why.

Please examine it carefully. It is an unerring guide to cigarette selection and enjoyment.

As you can quickly see by the three upper curves on this interesting chart, cigarettes that lack the protection of the Humidor Pack lose their moisture rapidly from the day they are manufactured.

And day by day as this moisture disappears, the smoke from these cigarettes becomes harsher, hotter, more unkind to the smoker's throat.

Not so with Camels!

The Humidor Pack is moisture proof and sealed airtight at every point. It protects the rich, flavorful

aroma of the choice Turkish and Domestic tobaccos of which Camels are blended.

Make these tests yourself

It is so easy to tell the difference between parched dry cigarettes and fresh prime Camels that it is no wonder everybody is reaching for a fresh cigarette today.

Your fingers identify stale, dried-out tobaccos at once. While a Camel is flexible and pliant.

Your ears can tell the difference too. For a dust-dry cigarette crackles under pressure.

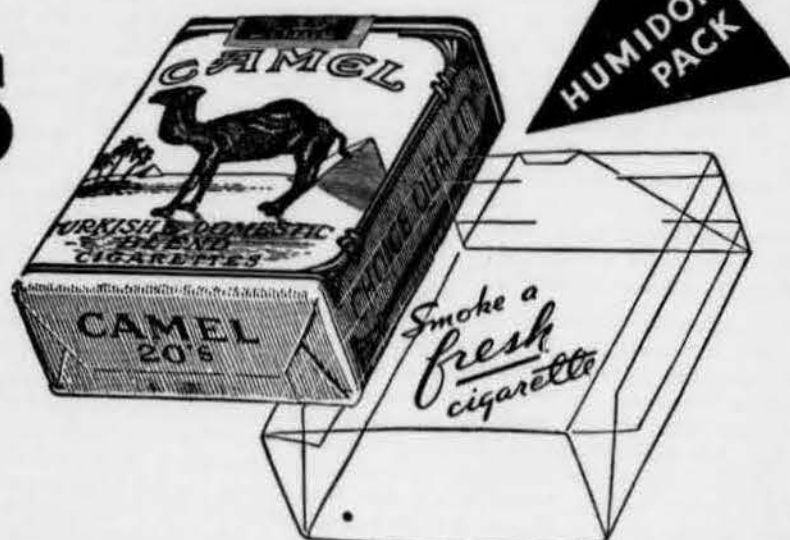
But the real test is taste and there is simply no comparison between the rich mildness of a Camel and the hot, brackish smoke from a stale, dry cigarette.

Switch to Camels just for today then leave them tomorrow if you can.

R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C.

CAMELS

Artificial heat in houses and apartments soon dries the moisture out of cigarettes wrapped the old fashioned way. It is the mark of a considerate hostess, by means of the Humidor Pack, to "Serve a fresh cigarette." Buy Camels by the carton—this cigarette will remain fresh in your home and office.



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